

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

Claim 1-70. (Canceled)

Claim 71. (New) A portable electronic book comprising:

- a plurality of pixels arranged in a matrix shape, each of the plurality of pixels comprising an EL element and a photoelectric conversion element over a same substrate;
- a means for making the EL element emit light;
- an input pen for reflecting a light emitted by the EL element and for inputting the light to the photoelectric conversion element of a portion of pixels among the plurality of pixels;
- and
- a means for detecting coordinates of the portion of the pixels.

Claim 72. (New) A portable electronic book according to claim 71, wherein each of the plurality of pixels comprises a selection TFT, a buffer TFT, and a reset TFT;

the means of detecting the intensity of light emitted to the photoelectric conversion elements comprising:

- a plurality of sensor output wirings;
- a plurality of sensor gate signal lines;
- a plurality of reset gate signal lines;
- a plurality of sensor electric power source lines;
- a sensor source signal line driver circuit into which signals from the plurality of sensor output wirings are input; and
- a sensor gate signal line driver circuit from which signals are output to the plurality of sensor gate signal lines and the plurality of reset gate signal lines,

wherein:

a gate electrode of the selection TFT is connected to one of the plurality of sensor gate signal lines;

one of a source region and a drain region of the selection TFT is connected to one of the plurality of sensor output wirings, and the remaining one of the source region and the drain region of the selection TFT is connected to a source region of the buffer TFT;

a drain region of the buffer TFT is connected to one of the plurality of sensor electric power source lines;

a gate electrode of the buffer TFT is connected to a photodiode and a source region or a drain region of the reset TFT;

one of the source region and the drain region of the reset TFT, which is not connected to the buffer TFT, is connected to one of the plurality of sensor electric power source lines; and

a gate electrode of the reset TFT is connected to one of the plurality of reset gate signal lines.

Claim 73. (New) A portable electronic book according to claim 72, wherein the sensor source signal line driver circuit and the sensor gate signal line driver circuit are formed over the same substrate as the EL element and the photoelectric conversion element.

Claim 74. (New) A portable electronic book according to claim 71, wherein each of the plurality of pixels comprises a switching TFT and an EL driver TFT;

the means of making the EL elements emit light comprising:

a plurality of EL display source signal lines;

a plurality of EL display gate signal lines;

a plurality of electric power source supply lines;

an EL display source signal line driver circuit for outputting signals to the plurality of EL display source signal lines; and

an EL display gate signal line driver circuit for outputting signals to the plurality of EL display gate signal lines,

wherein:

a gate electrode of the switching TFT is connected to one of the plurality of EL display gate signal lines;

one of a source region and a drain region of the switching TFT is connected to one of the plurality of EL display source signal lines, and the other of the source region and the drain region of the switching TFT is connected to a gate electrode of the EL driver TFT; and

one of a source region and a drain region of the EL driver TFT is connected to one of the plurality of electric power source supply lines, and the other of the source region and the drain region of the EL driver TFT is connected to the EL element.

Claim 75. (New) A portable electronic book according to claim 74, wherein the EL display source signal line driver circuit and the EL display gate signal line driver circuit are formed over the same substrate as the EL element and the photoelectric conversion element.

Claim 76. (New) A portable electronic book according to claim 71, wherein the photoelectric conversion element comprises a photodiode.

Claim 77. (New) A portable electronic book according to claim 76, wherein the photodiode comprises an anode electrode, a cathode electrode, and a photoelectric conversion layer comprising an organic material sandwiched between the anode electrode and the cathode electrode.

Claim 78. (New) A portable electronic book according to claim 76, wherein the photodiode comprises a p-type semiconductor layer, an n-type semiconductor layer, and a photoelectric conversion layer comprising an amorphous semiconductor sandwiched between the p-type semiconductor layer and the n-type semiconductor layer.

Claim 79. (New) A portable electronic book according to claim 71, wherein the information device has a means for irradiating a light emitted from the EL element to a surface

of an object, and inputting the light reflected by the surface of the object to the photoelectric conversion element.

Claim 80. (New) A portable electronic book according to claim 79, wherein an information of the surface of the object is biological information comprising at least one selected from the group consisting of a palm print and a finger print.

Claim 81. (New) A portable electronic book comprising:
a plurality of pixels arranged in a matrix shape, each of the plurality of pixels comprising an EL element and a photoelectric conversion element over a same substrate;
a means for making the EL element emit light;
an input pen for reflecting a light emitted by the EL element and for inputting the light to the photoelectric conversion element of a portion of pixels among the plurality of pixels;
and
a means for detecting an intensity of the light irradiated to the photoelectric conversion element.

Claim 82. (New) A portable electronic book according to claim 81, wherein each of the plurality of pixels comprises a selection TFT, a buffer TFT, and a reset TFT;
the means of detecting the intensity of light emitted to the photoelectric conversion elements comprising:

a plurality of sensor output wirings;
a plurality of sensor gate signal lines;
a plurality of reset gate signal lines;
a plurality of sensor electric power source lines;
a sensor source signal line driver circuit into which signals from the plurality of sensor output wirings are input; and
a sensor gate signal line driver circuit from which signals are output to the plurality of sensor gate signal lines and the plurality of reset gate signal lines,
wherein:

a gate electrode of the selection TFT is connected to one of the plurality of sensor gate signal lines;

one of a source region and a drain region of the selection TFT is connected to one of the plurality of sensor output wirings, and the remaining one of the source region and the drain region of the selection TFT is connected to a source region of the buffer TFT;

a drain region of the buffer TFT is connected to one of the plurality of sensor electric power source lines;

a gate electrode of the buffer TFT is connected to a photodiode and a source region or a drain region of the reset TFT;

one of the source region and the drain region of the reset TFT, which is not connected to the buffer TFT, is connected to one of the plurality of sensor electric power source lines; and

a gate electrode of the reset TFT is connected to one of the plurality of reset gate signal lines.

Claim 83. (New) A portable electronic book according to claim 82, wherein the sensor source signal line driver circuit and the sensor gate signal line driver circuit are formed over the same substrate as the EL element and the photoelectric conversion element.

Claim 84. (New) A portable electronic book according to claim 81, wherein each of the plurality of pixels comprises a switching TFT and an EL driver TFT;

the means of making the EL elements emit light comprising:

a plurality of EL display source signal lines;

a plurality of EL display gate signal lines;

a plurality of electric power source supply lines;

an EL display source signal line driver circuit for outputting signals to the plurality of EL display source signal lines; and

an EL display gate signal line driver circuit for outputting signals to the plurality of EL display gate signal lines,

wherein:

a gate electrode of the switching TFT is connected to one of the plurality of EL display gate signal lines;

one of a source region and a drain region of the switching TFT is connected to one of the plurality of EL display source signal lines, and the other of the source region and the drain region of the switching TFT is connected to a gate electrode of the EL driver TFT; and

one of a source region and a drain region of the EL driver TFT is connected to one of the plurality of electric power source supply lines, and the other of the source region and the drain region of the EL driver TFT is connected to the EL element.

Claim 85. (New) A portable electronic book according to claim 84, wherein the EL display source signal line driver circuit and the EL display gate signal line driver circuit are formed over the same substrate as the EL element and the photoelectric conversion element.

Claim 86. (New) A portable electronic book according to claim 81, wherein the photoelectric conversion element comprises a photodiode.

Claim 87. (New) A portable electronic book according to claim 86, wherein the photodiode comprises an anode electrode, a cathode electrode, and a photoelectric conversion layer comprising an organic material sandwiched between the anode electrode and the cathode electrode.

Claim 88. (New) A portable electronic book according to claim 86, wherein the photodiode comprises a p-type semiconductor layer, an n-type semiconductor layer, and a photoelectric conversion layer comprising an amorphous semiconductor sandwiched between the p-type semiconductor layer and the n-type semiconductor layer.

Claim 89. (New) A portable electronic book according to claim 81, wherein the information device has a means for irradiating a light emitted from the EL element to a surface

of an object, and inputting the light reflected by the surface of the object to the photoelectric conversion element.

Claim 90. (New) A portable electronic book according to claim 89, wherein an information of the surface of the object is biological information comprising at least one selected from the group consisting of a palm print and a finger print.

Claim 91. (New) A portable electronic book comprising:
a plurality of pixels arranged in a matrix shape, each of the plurality of pixels comprising an EL element and a photoelectric conversion element over a same substrate;
a means for making the EL element emit light; and
a means for detecting coordinates of the portion of the pixels.

Claim 92. (New) A portable electronic book according to claim 91, wherein each of the plurality of pixels comprises a selection TFT, a buffer TFT, and a reset TFT;
the means of detecting the intensity of light emitted to the photoelectric conversion elements comprising:

a plurality of sensor output wirings;
a plurality of sensor gate signal lines;
a plurality of reset gate signal lines;
a plurality of sensor electric power source lines;
a sensor source signal line driver circuit into which signals from the plurality of sensor output wirings are input; and
a sensor gate signal line driver circuit from which signals are output to the plurality of sensor gate signal lines and the plurality of reset gate signal lines,
wherein:
a gate electrode of the selection TFT is connected to one of the plurality of sensor gate signal lines;

one of a source region and a drain region of the selection TFT is connected to one of the plurality of sensor output wirings, and the remaining one of the source region and the drain region of the selection TFT is connected to a source region of the buffer TFT;

a drain region of the buffer TFT is connected to one of the plurality of sensor electric power source lines;

a gate electrode of the buffer TFT is connected to a photodiode and a source region or a drain region of the reset TFT;

one of the source region and the drain region of the reset TFT, which is not connected to the buffer TFT, is connected to one of the plurality of sensor electric power source lines; and

a gate electrode of the reset TFT is connected to one of the plurality of reset gate signal lines.

Claim 93. (New) A portable electronic book according to claim 92, wherein the sensor source signal line driver circuit and the sensor gate signal line driver circuit are formed over the same substrate as the EL element and the photoelectric conversion element.

Claim 94. (New) A portable electronic book according to claim 91, wherein each of the plurality of pixels comprises a switching TFT and an EL driver TFT;

the means of making the EL elements emit light comprising:

a plurality of EL display source signal lines;

a plurality of EL display gate signal lines;

a plurality of electric power source supply lines;

an EL display source signal line driver circuit for outputting signals to the plurality of EL display source signal lines; and

an EL display gate signal line driver circuit for outputting signals to the plurality of EL display gate signal lines,

wherein:

a gate electrode of the switching TFT is connected to one of the plurality of EL display gate signal lines;

one of a source region and a drain region of the switching TFT is connected to one of the plurality of EL display source signal lines, and the other of the source region and the drain region of the switching TFT is connected to a gate electrode of the EL driver TFT; and

one of a source region and a drain region of the EL driver TFT is connected to one of the plurality of electric power source supply lines, and the other of the source region and the drain region of the EL driver TFT is connected to the EL element.

Claim 95. (New) A portable electronic book according to claim 94, wherein the EL display source signal line driver circuit and the EL display gate signal line driver circuit are formed over the same substrate as the EL element and the photoelectric conversion element.

Claim 96. (New) A portable electronic book according to claim 91, wherein the photoelectric conversion element comprises a photodiode.

Claim 97. (New) A portable electronic book according to claim 96, wherein the photodiode comprises an anode electrode, a cathode electrode, and a photoelectric conversion layer comprising an organic material sandwiched between the anode electrode and the cathode electrode.

Claim 98. (New) A portable electronic book according to claim 96, wherein the photodiode comprises a p-type semiconductor layer, an n-type semiconductor layer, and a photoelectric conversion layer comprising an amorphous semiconductor sandwiched between the p-type semiconductor layer and the n-type semiconductor layer.

Claim 99. (New) A portable electronic book according to claim 91, wherein the information device has a means for irradiating a light emitted from the EL element to a surface of an object, and inputting the light reflected by the surface of the object to the photoelectric conversion element.

Claim 100. (New) A portable electronic book according to claim 99, wherein an information of the surface of the object is biological information comprising at least one selected from the group consisting of a palm print and a finger print.

Claim 101. (New) A portable electronic book comprising:
a plurality of pixels arranged in a matrix shape, each of the plurality of pixels comprising an EL element and a photoelectric conversion element over a same substrate;
a means for making the EL element emit light; and
a means for detecting an intensity of the light irradiated to the photoelectric conversion element.

Claim 102. (New) A portable electronic book according to claim 101, wherein each of the plurality of pixels comprises a selection TFT, a buffer TFT, and a reset TFT;

the means of detecting the intensity of light emitted to the photoelectric conversion elements comprising:

a plurality of sensor output wirings;
a plurality of sensor gate signal lines;
a plurality of reset gate signal lines;
a plurality of sensor electric power source lines;
a sensor source signal line driver circuit into which signals from the plurality of sensor output wirings are input; and
a sensor gate signal line driver circuit from which signals are output to the plurality of sensor gate signal lines and the plurality of reset gate signal lines,

wherein:

a gate electrode of the selection TFT is connected to one of the plurality of sensor gate signal lines;

one of a source region and a drain region of the selection TFT is connected to one of the plurality of sensor output wirings, and the remaining one of the source region and the drain region of the selection TFT is connected to a source region of the buffer TFT;

a drain region of the buffer TFT is connected to one of the plurality of sensor electric power source lines;

a gate electrode of the buffer TFT is connected to a photodiode and a source region or a drain region of the reset TFT;

one of the source region and the drain region of the reset TFT, which is not connected to the buffer TFT, is connected to one of the plurality of sensor electric power source lines; and

a gate electrode of the reset TFT is connected to one of the plurality of reset gate signal lines.

Claim 103. (New) A portable electronic book according to claim 102, wherein the sensor source signal line driver circuit and the sensor gate signal line driver circuit are formed over the same substrate as the EL element and the photoelectric conversion element.

Claim 104. (New) A portable electronic book according to claim 101, wherein each of the plurality of pixels comprises a switching TFT and an EL driver TFT;

the means of making the EL elements emit light comprising:

a plurality of EL display source signal lines;

a plurality of EL display gate signal lines;

a plurality of electric power source supply lines;

an EL display source signal line driver circuit for outputting signals to the plurality of EL display source signal lines; and

an EL display gate signal line driver circuit for outputting signals to the plurality of EL display gate signal lines,

wherein:

a gate electrode of the switching TFT is connected to one of the plurality of EL display gate signal lines;

one of a source region and a drain region of the switching TFT is connected to one of the plurality of EL display source signal lines, and the other of the source

region and the drain region of the switching TFT is connected to a gate electrode of the EL driver TFT; and

one of a source region and a drain region of the EL driver TFT is connected to one of the plurality of electric power source supply lines, and the other of the source region and the drain region of the EL driver TFT is connected to the EL element.

Claim 105. (New) A portable electronic book according to claim 104, wherein the EL display source signal line driver circuit and the EL display gate signal line driver circuit are formed over the same substrate as the EL element and the photoelectric conversion element.

Claim 106. (New) A portable electronic book according to claim 101, wherein the photoelectric conversion element comprises a photodiode.

Claim 107. (New) A portable electronic book according to claim 106, wherein the photodiode comprises an anode electrode, a cathode electrode, and a photoelectric conversion layer comprising an organic material sandwiched between the anode electrode and the cathode electrode.

Claim 108. (New) A portable electronic book according to claim 106, wherein the photodiode comprises a p-type semiconductor layer, an n-type semiconductor layer, and a photoelectric conversion layer comprising an amorphous semiconductor sandwiched between the p-type semiconductor layer and the n-type semiconductor layer.

Claim 109. (New) A portable electronic book according to claim 101, wherein the information device has a means for irradiating a light emitted from the EL element to a surface of an object, and inputting the light reflected by the surface of the object to the photoelectric conversion element.

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Serial No. : New Divisional Application
Filed : March 18, 2004
Page : 15 of 16

Attorney's Docket No.: 12732-084002 / US5345D1

Claim 110. (New) A portable electronic book according to claim 109, wherein an information of the surface of the object is biological information comprising at least one selected from the group consisting of a palm print and a finger print.